

Product Features

- Patent rectangular gridding grid design which provide long service life;
- Special negative active material additives to improve the performance of high and low temperature and battery charge receptivity;
- Patent positive plate 4BS technology, high temperature and high humidity curing process which provide high cycle capability;
- Polar group tight assembly technology, effectively prevent the active material softening and shedding.

Application

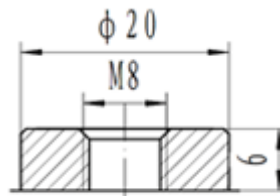
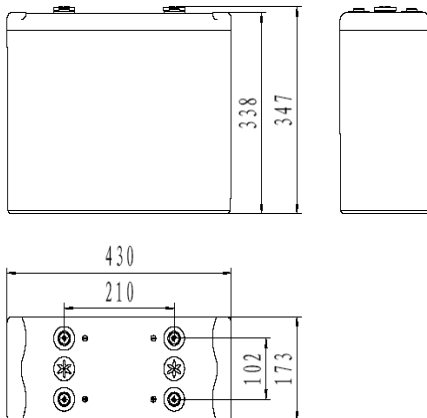
- Solar energy system
- Wind energy system
- Wind and solar complementary energy system

Compliant Standards

- GB/T 22473-2008
- IEC 61427-2005
- JIS C8704-1: 2006
- JIS C8704-2: 2006
- Passed ISO9001、ISO14001、OHSAS18001、UL、CE and Golden Sun certificate
- Eurobat guide;

Safety

- installation compliant with:EN50272-2

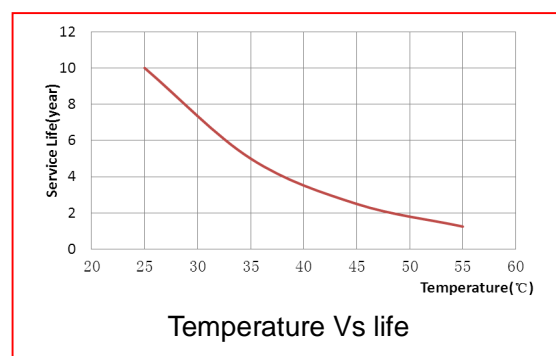
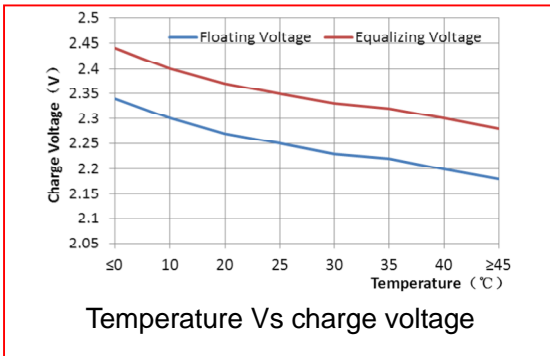
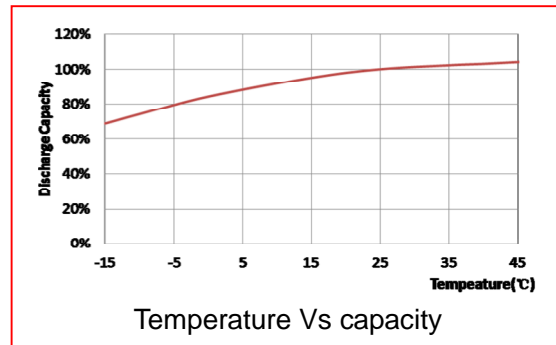
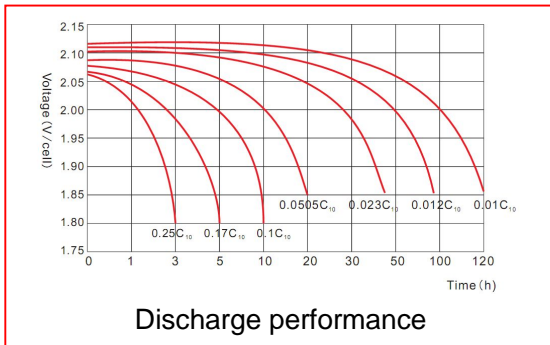

GFM-21

Battery Model	GFMU-1000C			
Designed Life	15Years			
Capacity(25°C)	120HR(10.0A,1.85V)		20HR(51.0A,1.80V)	10HR(100A,1.80V)
	1200AH		1020AH	1000AH
Dimensions	Length	Width	Height	Total Height
	430mm	173mm	338mm	347mm
Approx. Weight	59.5kg			
Internal Resistance	0.17mΩ for fully charged battery at 25°C Test instrumentation: HIOKI 3551 BATTERY HITESTER (25			
Max Discharge Current	5000A(5 Sec.)			
Self Discharge	≤1% per months (25°C)			
Charge Voltage(25°C)	Cycle use		Float use	
	2.35V(-3.5mV/°C), max charge current:150A		2.25V(-3.5mV/°C)	

Discharge parameter:

Constant current discharge data (25°C, A)																	
End voltage (V/cell)	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	12h	20h	24h	48h	96h	120h	240h
1.75	550	345	253	205	172	150	134	121	111	101	84.7	51.7	44.2	23.7	12.3	10.3	5.23
1.80	527	333	250	202	170	149	132	120	110	100	83.3	51.0	43.7	23.3	12.3	10.1	5.20
1.85	487	315	237	190	165	144	129	117	107	98.7	82.2	50.3	43.2	23.0	12.2	10.0	5.17
1.90	453	293	223	182	158	139	125	114	105	96.8	81.0	49.7	42.7	22.7	12.2	9.87	5.13
1.95	408	273	210	175	152	134	121	111	103	95.3	79.8	49.0	42.3	22.5	12.1	9.73	5.10

Constant power discharge data (25°C, W/cell)																	
End voltage (V/cell)	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	12h	20h	24h	48h	96h	120h	240h
1.75	912	601	455	366	314	277	252	229	208	190	163	103	88.3	46.3	23.9	19.8	10.36
1.80	871	585	445	360	308	273	248	226	205	188	161	102	87.7	46.1	23.8	19.6	10.32
1.85	835	566	434	352	302	268	243	223	201	184	159	101	87.1	46.0	23.7	19.6	10.27
1.90	798	549	422	344	295	263	239	219	198	180	157	100	86.5	45.7	23.6	19.5	10.24
1.95	754	528	410	336	287	258	235	214	194	177	155	99.5	86.0	45.6	23.5	19.4	10.20

Performance Curve:


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